



How To: Connections on the Morimoto Bi-xenon Relay Harness

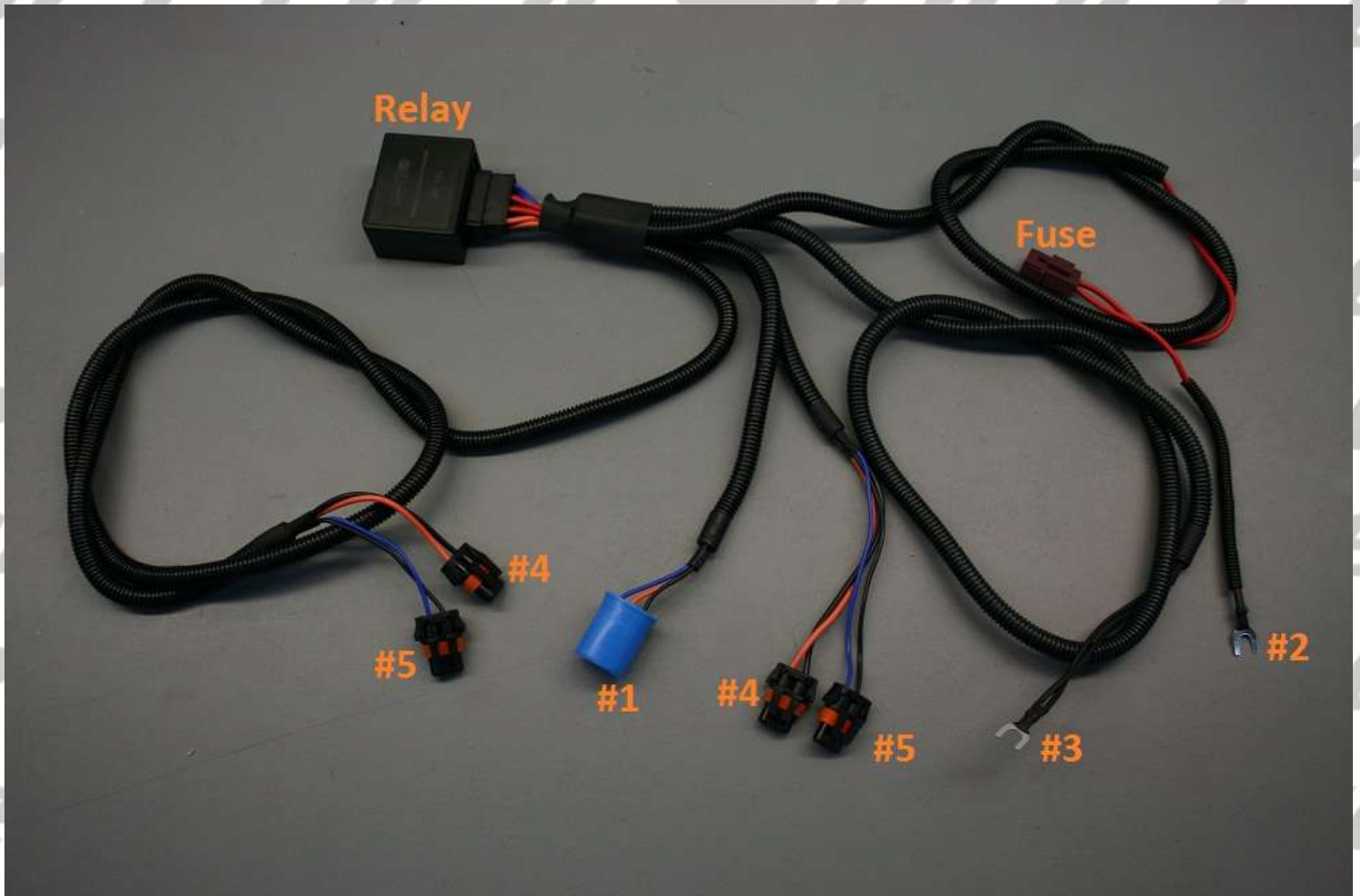
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Time required: Variable

Part Demonstrated: Morimoto 9007 Bi-xenon Relay Harness

Connections: (numbered in diagram below)

- 1) **Harness Input:** Plugs into the output socket which used to plug into your halogen bulb on the side closest to the car battery. Varies for 9007, H4, and H13 applications.
- 2) **Battery (+):** Coming from the fuse box with the red wire, goes to the positive battery terminal or any 12v output
- 3) **Ground (-):** Coming from the black line, you can connect this to the battery or any chassis ground
- 4) **Ballast Outputs:** Comes from the orange/black color coded wires. Longer side plugs into ballast opposite battery
- 5) **Solenoid Outputs:** Comes from the blue/black color coded wires. Longer side plugs into solenoid opposite battery

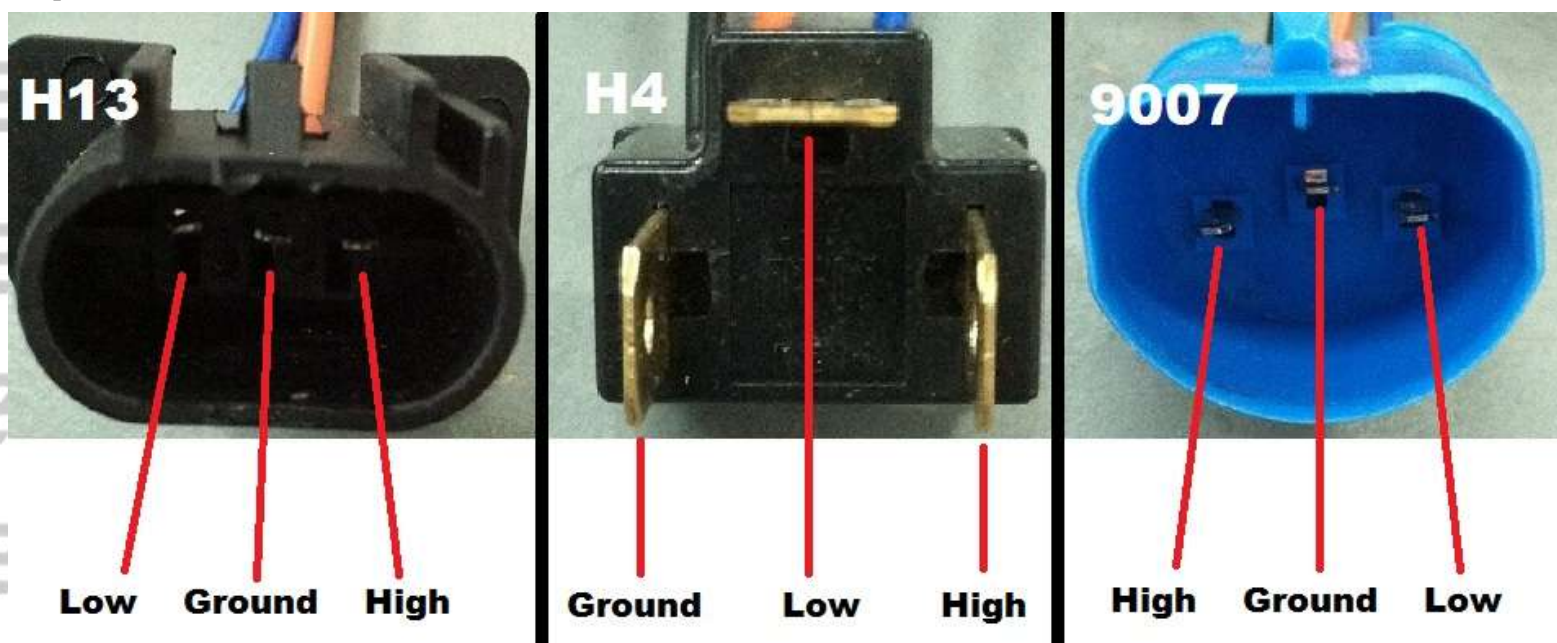


Trouble Shooting Guide:

Note: If vehicle is ground-switched or uses an uncommon switching mechanism in its headlight circuit, the harness may not function correctly between low and high beam when plugged in right out of the box.

General Notes:

- Typically the Blue/Black set of outputs is for the projector solenoids, but in some cases, you may use the Orange/Black for the projector solenoids and the Blue/Black for the ballasts.
- The Harness is coded such that black indicates ground, blue indicates high beam, and orange indicates low beam. If you're having functionality issues, a voltmeter to test the output signals from your factory circuit will be helpful.
- There is a 1N5404 Diode inside the Relay Control Box that allows power to pass through from the high beam circuit into the low beam circuit to keep the ballasts on when in high beam mode. If the diode fails, the result would be no high beam function at all, the high beam on no matter what.
- In rare cases, a different model harness may be required to realize proper low/high beam functionality. If you cannot make things work right, please contact our support at 404-220-7940 or Answers@TheRetrofitSource.com for further assistance.



Low Beam Works, But High Beam Lights Turn Off:

- Known Fix #1: Swap the pins associated with the orange/black wires on the input socket (#1 in diagram)
- Known Fix #2: Swap the pins associated with the blue/black wires on the input socket (#1 in diagram)
- Test first with the orange/black output sockets to the ballasts, and blue/black to the projector solenoids.
- Test second with orange/black output sockets to the projector solenoids, and blue/black to the ballasts.
- Double check that all fuses on car are good.

Low Beam and High Beam Function is Reversed:

- Known Fix #1: Swap the pins associated with the blue/orange wires on the input socket (#1 in diagram)
- Known Fix #2: Swap the outputs, so that the set going to your HID ballasts is plugged into the projector solenoids and vice-versa.
- Test first with the orange/black output sockets to the ballasts, and blue/black to the projector solenoids.

Low and High Beam Function OK, but High Beam Light Always shown on gauge cluster:

- Vehicle notices drop in resistance across the headlight circuit, different harness required.